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<u>L32</u>	L30 and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$) <i>DB=PGPB; PLUR=YES; OP=ADJ</i>	0	<u>L32</u>
<u>L31</u>	L30 and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$) <i>DB=USOC; PLUR=YES; OP=ADJ</i>	0	<u>L31</u>
<u>L30</u>	(updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and replac\$ <i>DB=PGPB; PLUR=YES; OP=ADJ</i>	91	<u>L30</u>
<u>L29</u>	(updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and replac\$ <i>DB=USPT; PLUR=YES; OP=ADJ</i>	2470	<u>L29</u>
<u>L28</u>	L27 and l24	2	<u>L28</u>
<u>L27</u>	717/124,126.ccls.	405	<u>L27</u>
<u>L26</u>	L25 and l24	12	<u>L26</u>
<u>L25</u>	714/1,2,15,,25,38,48,49,715.ccls.	3463	<u>L25</u>
<u>L24</u>	L22 and (modif\$ Or chang\$ or updat\$ or upgrad\$ or alter) near9 (error\$ Or fault\$ or fail\$)	297	<u>L24</u>
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<u>L20</u>	l17 and replace\$ near4 (updat\$ or chang\$ or modif\$ Or overrid\$)	2611	<u>L20</u>
<u>L19</u>	L18 and replace\$	0	<u>L19</u>
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<u>L17</u>	(updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$)	76730	<u>L17</u>
<u>L16</u>	l1 and (replac\$ Or overrid\$ Or modif\$ or chang\$ or updat\$ or upgrad\$) near6 ( fault\$ or error\$ or fail\$)	1	<u>L16</u>
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<u>L8</u>	L7 and (access\$ or entr\$ or direc\$ or table\$)	1	<u>L8</u>
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# 1 [A coherent distributed file cache with directory write-behind](#)

Timothy Mann, Andrew Birrell, Andy Hisgen, Charles Jerian, Garret Swart

May 1994 **ACM Transactions on Computer Systems (TOCS)**, Volume 12 Issue 2Full text available: [pdf\(3.21 MB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Extensive caching is a key feature of the Echo distributed file system. Echo client machines maintain coherent caches of file and directory data and properties, with write-behind (delayed write-back) of all cached information. Echo specifies ordering constraints on this write-behind, enabling applications to store and maintain consistent data structures in the file system even when crashes or network faults prevent some writes from being completed. In this paper we describe ...

**Keywords:** coherence, file caching, write-behind

## 2 [Cache Memories](#)

Alan Jay Smith

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3Full text available: [pdf\(4.61 MB\)](#)
 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 3 [The Integrated Dictionary/Directory System](#)

Frank W. Allen, Mary E. S. Loomis, Michael V. Mannino

June 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 2Full text available: [pdf\(2.71 MB\)](#)
 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 4 [Location-aware mobile applications based on directory services](#)

Henning Maass

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2Full text available: [pdf\(421.47 KB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Location-aware applications are becoming increasingly attractive due to the widespread


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## 21 [Hancock: A language for analyzing transactional data streams](#)

Corinna Cortes, Kathleen Fisher, Daryl Pregibon, Anne Rogers, Frederick Smith

 March 2004 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,

Volume 26 Issue 2

 Full text available: [pdf\(217.55 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Massive transaction streams present a number of opportunities for data mining techniques. The transactions in such streams might represent calls on a telephone network, commercial credit card purchases, stock market trades, or HTTP requests to a web server. While historically such data have been collected for billing or security purposes, they are now being used to discover how the transactors, for example, credit-card numbers or IP addresses, use the associated services. Over the past 5 years, w ...

**Keywords:** Domain-specific languages, data mining, statistical models

## 22 [A taxonomy of computer program security flaws](#)

Carl E. Landwehr, Alan R. Bull, John P. McDermott, William S. Choi

 September 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 3

 Full text available: [pdf\(3.81 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

An organized record of actual flaws can be useful to computer system designers, programmers, analysts, administrators, and users. This survey provides a taxonomy for computer program security flaws, with an Appendix that documents 50 actual security flaws. These flaws have all been described previously in the open literature, but in widely separated places. For those new to the field of computer security, they provide a good introduction to the characteristics of security flaws and how they ...

**Keywords:** error/defect classification, security flaw, taxonomy

## 23 [BASE: using abstraction to improve fault tolerance](#)

Rodrigo Rodrigues, Miguel Castro, Barbara Liskov

 October 2001 **ACM SIGOPS Operating Systems Review , Proceedings of the eighteenth ACM symposium on Operating systems principles**, Volume 35 Issue 5

 Full text available: [pdf\(1.47 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

[terms](#)

Software errors are a major cause of outages and they are increasingly exploited in malicious attacks. Byzantine fault tolerance allows replicated systems to mask some software errors but it is expensive to deploy. This paper describes a replication technique, BASE, which uses abstraction to reduce the cost of Byzantine fault tolerance and to improve its ability to mask software errors. BASE reduces cost because it enables reuse of off-the-shelf service implementations. It improves availability ...

#### 24 [Hints for computer system design](#)

Butler W. Lampson

October 1983 **ACM SIGOPS Operating Systems Review , Proceedings of the ninth ACM symposium on Operating systems principles**, Volume 17 Issue 5

Full text available:  [pdf\(1.73 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Experience with the design and implementation of a number of computer systems, and study of many other systems, has led to some general hints for system design which are described here. They are illustrated by a number of examples, ranging from hardware such as the Alto and the Dorado to applications programs such as Bravo and Star.

#### 25 [4.2BSD and 4.3BSD as examples of the UNIX system](#)

John S. Quarterman, Abraham Silberschatz, James L. Peterson

December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 4

Full text available:  [pdf\(4.07 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper presents an in-depth examination of the 4.2 Berkeley Software Distribution, Virtual VAX-11 Version (4.2BSD), which is a version of the UNIX Time-Sharing System. There are notes throughout on 4.3BSD, the forthcoming system from the University of California at Berkeley. We trace the historical development of the UNIX system from its conception in 1969 until today, and describe the design principles that have guided this development. We then present the internal data structures and ...

#### 26 [Parallel execution of prolog programs: a survey](#)

Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo

July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 23 Issue 4

Full text available:  [pdf\(1.95 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Since the early days of logic programming, researchers in the field realized the potential for exploitation of parallelism present in the execution of logic programs. Their high-level nature, the presence of nondeterminism, and their referential transparency, among other characteristics, make logic programs interesting candidates for obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic programming frequently involve irregular computation ...

**Keywords:** Automatic parallelization, constraint programming, logic programming, parallelism, prolog

#### 27 [Office-by-example: an integrated office system and database manager](#)

Kyu-Young Whang, Art Ammann, Anthony Bolmarcich, Maria Hanrahan, Guy Hochgesang, Kuan-Tsae Huang, Al Khorasani, Ravi Krishnamurthy, Gary Sockut, Paula Sweeney, Vance Waddle, Moshé Zloof

October 1987 **ACM Transactions on Information Systems (TOIS)**, Volume 5 Issue 4

Full text available:  [pdf\(2.86 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Office-by-Example (OBE) is an integrated office information system that has been under development at IBM Research. OBE, an extension of Query-by-Example, supports various office features such as database tables, word processing, electronic mail, graphics, images, and so forth. These seemingly heterogeneous features are integrated through a language feature called example elements. Applications involving example elements are processed by the database manager, an integrated ...

## 28 [Frangipani: a scalable distributed file system](#)

Chandramohan A. Thekkath, Timothy Mann, Edward K. Lee

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5

Full text available:  [pdf\(2.20 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 29 [Flexible support for multiple access control policies](#)

Sushil Jajodia, Pierangela Samarati, Maria Luisa Sapino, V. S. Subrahmanian

June 2001 **ACM Transactions on Database Systems (TODS)**, Volume 26 Issue 2

Full text available:  [pdf\(460.33 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Although several access control policies can be devised for controlling access to information, all existing authorization models, and the corresponding enforcement mechanisms, are based on a specific policy (usually the closed policy). As a consequence, although different policy choices are possible in theory, in practice only a specific policy can actually be applied within a given system. In this paper, we present a unified framework that can enforce multiple access control policies withi ...

**Keywords:** access control policy, authorization, logic programming

## 30 [Human-computer interface development: concepts and systems for its management](#)

H. Rex Hartson, Deborah Hix

March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1

Full text available:  [pdf\(7.97 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

*Human-computer interface management*, from a computer science viewpoint, focuses on the process of developing quality human-computer interfaces, including their representation, design, implementation, execution, evaluation, and maintenance. This survey presents important concepts of interface management: dialogue independence, structural modeling, representation, interactive tools, rapid prototyping, development methodologies, and control structures. *Dialogue independence* is th ...

## 31 [Tool support for refactoring functional programs](#)

Huiqing Li, Claus Reinke, Simon Thompson

August 2003 **Proceedings of the ACM SIGPLAN workshop on Haskell**

Full text available:  [pdf\(156.41 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Refactorings are source-to-source program transformations which change program structure and organisation, but not program functionality. Documented in catalogues and supported by tools, refactoring provides the means to adapt and improve the design of existing code, and has thus enabled the trend towards modern agile software development


processes. Refactoring has taken a prominent place in software development and maintenance, but most of this recent success has taken place in the OO and XP co ...

**Keywords:** Haskell, language-aware programming environments, program transformation, refactoring, semantic editors

**32** The Zebra striped network file system

John H. Hartman, John K. Ousterhout

August 1995 **ACM Transactions on Computer Systems (TOCS)**, Volume 13 Issue 3

Full text available:  [pdf\(2.76 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Zebra is a network file system that increases throughput by striping the file data across multiple servers. Rather than striping each file separately, Zebra forms all the new data from each client into a single stream, which it then stripes using an approach similar to a log-structured file system. This provides high performance for writes of small files as well as for reads and writes of large files. Zebra also writes parity information in each stripe in the style of RAID disk arrays; this ...

**Keywords:** RAID, log-based striping, log-structured file system, parity computation

**33** The Recovery Manager of the System R Database Manager

Jim Gray, Paul McJones, Mike Blasgen, Bruce Lindsay, Raymond Lorie, Tom Price, Franco Putzolu, Irving Traiger

June 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 2


Full text available:  [pdf\(1.75 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**34** A designer's perspective of the Hawk multiprocessor operating system kernel

V. P. Holmes, D. L. Harris

July 1989 **ACM SIGOPS Operating Systems Review**, Volume 23 Issue 3

Full text available:  [pdf\(1.60 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The Hawk operating system kernel was specifically designed and implemented to support real-time applications on the SANDAC V embedded multiprocessor. The kernel provides a tasking model for program decomposition and supports message passing, synchronization, as well as other ancillary services. The kernel primitives have a Unix-like system call interface to the C language and were designed to provide users a choice of level of abstraction, yet perform efficiently and behave predictably ...

**35** Technical reports

SIGACT News Staff

January 1980 **ACM SIGACT News**, Volume 12 Issue 1

Full text available:  [pdf\(5.28 MB\)](#)

Additional Information: [full citation](#)

**36** A weighted voting algorithm for replicated directories

Joshua J. Bloch, Dean S. Daniels, Alfred Z. Spector

October 1987 **Journal of the ACM (JACM)**, Volume 34 Issue 4

Full text available:  [pdf\(4.12 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



Weighted voting is used as the basis for a replication technique for directories. This technique affords arbitrarily high data availability as well as high concurrency. Efficient algorithms are presented for all of the standard directory operations. A structural property of the replicated directory that permits the construction of an efficient algorithm for deletion is proven. Simulation results are presented and the system is modeled and analyzed. The analysis agrees well with the simulati ...

### 37 Improving the reliability of commodity operating systems

Michael M. Swift, Brian N. Bershad, Henry M. Levy

January 2005 **ACM Transactions on Computer Systems (TOCS)**, Volume 23 Issue 1

Full text available:  [pdf\(459.98 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Despite decades of research in extensible operating system technology, extensions such as device drivers remain a significant cause of system failures. In Windows XP, for example, drivers account for 85&percent; of recently reported failures. This article describes Nooks, a *reliability subsystem* that seeks to greatly enhance operating system (OS) reliability by isolating the OS from driver failures. The Nooks approach is practical: rather than guaranteeing complete fault tolerance through ...

**Keywords:** I/O, Recovery, device drivers, protection, virtual memory

### 38 A program development tool

C. N. Alberga, A. L. Brown, G. B. Leeman, M. Mikelsons, M. N. Wegman

January 1981 **Proceedings of the 8th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**


Full text available:  [pdf\(1.24 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper we describe how we have combined a number of tools (most of which understand a particular programming language) into a single system to aid in the reading, writing, and running of programs. We discuss the efficacy and the structure of our system. For the last two years the system has been used to build itself; it currently consists of 500 kilobytes of machine code (25,000 lines of LISP/370 code) and approximately one hundred commands with large numbers of options. We will describe ...

### 39 The design and implementation of tripwire: a file system integrity checker

Gene H. Kim, Eugene H. Spafford

November 1994 **Proceedings of the 2nd ACM Conference on Computer and communications security**

Full text available:  [pdf\(1.22 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

At the heart of most computer systems is a file system. The file system contains user data, executable programs, configuration and authorization information, and (usually) the base executable version of the operating system itself. The ability to monitor file systems for unauthorized or unexpected changes gives system administrators valuable data for protecting and maintaining their systems. However, in environments of many networked heterogeneous platforms with different policies and softw ...

### 40 MPEG-4: an object-based multimedia coding standard supporting mobile applications

Atul Puri, Alexandros Eleftheriadis

June 1998 **Mobile Networks and Applications**, Volume 3 Issue 1

Full text available:  [pdf\(747.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The ISO MPEG committee, after successful completion of the MPEG-1 and the MPEG-2 standards is currently working on MPEG-4, the third MPEG standard. Originally, MPEG-4 was

conceived to be a standard for coding of limited complexity audio-visual scenes at very low bit-rates; however, in July 1994, its scope was expanded to include coding of scenes as a collection of individual audio-visual objects and enabling a range of advanced functionalities not supported by other standards. One of the ke ...

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<u>L12</u>	l7 and (replac\$ Or overrid\$ Or modif\$ or chang\$)	1	<u>L12</u>
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<u>L7</u>	5119377.pn.	1	<u>L7</u>

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<u>L5</u>	l1 and (fault\$ near6 hand\$)	1	<u>L5</u>
<u>L4</u>	l1 and access\$	1	<u>L4</u>
<u>L3</u>	L2 and (replac\$ or overrid\$)	1	<u>L3</u>
<u>L2</u>	L1 and (updat\$ or modif\$ or chang\$) near4 (direc\$ or table\$)	1	<u>L2</u>
<u>L1</u>	6708291.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
(updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and replac\$ and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$)	1

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L36





### Search History

DATE: Wednesday, June 01, 2005    [Printable Copy](#)    [Create Case](#)

Set  
 Name Query  
 side by  
 side

Hit  
 Count  
 Set  
 Name  
 result  
 set

DB=TDBD; PLUR=YES; OP=ADJ

L36 (updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and  
 (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and  
 replac\$ and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$)

1 L36

DB=DWPI; PLUR=YES; OP=ADJ

L35 (updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and  
 (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and  
 replac\$ and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$)

1 L35

DB=JPAB; PLUR=YES; OP=ADJ

L34 (updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and  
 (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and  
 replac\$ and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$)

0 L34

DB=EPAB; PLUR=YES; OP=ADJ

<u>L33</u>	(updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and replac\$ and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$)	0	<u>L33</u>
<u>L32</u>	L30 and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$) <i>DB=PGPB; PLUR=YES; OP=ADJ</i>	0	<u>L32</u>
<u>L31</u>	L30 and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$) <i>DB=USOC; PLUR=YES; OP=ADJ</i>	0	<u>L31</u>
<u>L30</u>	(updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and replac\$ <i>DB=PGPB; PLUR=YES; OP=ADJ</i>	91	<u>L30</u>
<u>L29</u>	(updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$) and (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) and replac\$ <i>DB=USPT; PLUR=YES; OP=ADJ</i>	2470	<u>L29</u>
<u>L28</u>	L27 and l24	2	<u>L28</u>
<u>L27</u>	717/124,126.ccls.	405	<u>L27</u>
<u>L26</u>	L25 and l24	12	<u>L26</u>
<u>L25</u>	714/1,2,15,,25,38,48,49,715.ccls.	3463	<u>L25</u>
<u>L24</u>	L22 and (modif\$ Or chang\$ or updat\$ or upgrad\$ or alter) near9 (error\$ Or fault\$ or fail\$)	297	<u>L24</u>
<u>L23</u>	L22 and (modif\$ Or chang\$ or updat\$ or upgrad\$ or alter) near9 (error\$ Or fault\$ or fail\$ or identi\$ or name\$)	299	<u>L23</u>
<u>L22</u>	L21 and (entr\$ near8 (director\$ or table\$))	300	<u>L22</u>
<u>L21</u>	L20 and (id\$ Or name\$ or type) near5 (error\$ or fault\$ or fail\$)	945	<u>L21</u>
<u>L20</u>	l17 and replace\$ near4 (updat\$ or chang\$ or modif\$ Or overrid\$)	2611	<u>L20</u>
<u>L19</u>	L18 and replace\$	0	<u>L19</u>
<u>L18</u>	l17 and access\$ near6 (updat\$ or chang\$ or modif\$ Or overrid\$) near5 (director\$ or table\$) L17	4	<u>L18</u>
<u>L17</u>	(updat\$ or chang\$ or modif\$ Or overrid\$) near9 (error\$ or fault\$ Or fail\$)	76730	<u>L17</u>
<u>L16</u>	l1 and (replac\$ Or overrid\$ Or modif\$ or chang\$ or updat\$ or upgrad\$) near6 ( fault\$ or error\$ or fail\$)	1	<u>L16</u>
<u>L15</u>	l1 and (replac\$ Or overrid\$ Or modif\$ or chang\$ or updat\$ or upgrad\$) near ( fault\$ or error\$ or fail\$)	1	<u>L15</u>
<u>L14</u>	l1 and (replac\$ Or overrid\$ Or modif\$ or chang\$ or updat\$)	1	<u>L14</u>
<u>L13</u>	l1 and (replac\$ Or overrid\$ Or modif\$ or chang\$)	1	<u>L13</u>
<u>L12</u>	l7 and (replac\$ Or overrid\$ Or modif\$ or chang\$)	1	<u>L12</u>
<u>L11</u>	l1 and (access\$ near9 (updat\$ Or modif\$ or chang\$ or overrid\$))	0	<u>L11</u>
<u>L10</u>	l7 and (access\$ near9 (updat\$ Or modif\$ or chang\$))	0	<u>L10</u>
<u>L9</u>	L1 and (access\$ near9 (updat\$ Or modif\$ or chang\$))	0	<u>L9</u>
<u>L8</u>	L7 and (access\$ or entr\$ or direc\$ or table\$)	1	<u>L8</u>
<u>L7</u>	5119377.pn.	1	<u>L7</u>
<u>L6</u>	l1 and ((call\$ or invok\$) near5 receiv\$)	0	<u>L6</u>

L5 11 and (fault\$ near6 hand\$)

1 L5

L4 11 and access\$

1 L4

L3 L2 and (replac\$ or overrid\$)

1 L3

L2 L1 and (updat\$ or modif\$ or chang\$) near4 (direc\$ or table\$)

1 L2

L1 6708291.pn.

1 L1

END OF SEARCH HISTORY